

EXECUTIVE SUMMARY  
\*\*\*\*\*

MINERAL RECOVERY CORPORATION

Sinbad Mine  
ACT/015/030

Section 35,  
Township 22 South, Range 10 East  
Emery County, Utah

#### LOCATION:

This underground uranium mine site is located approximately 38 miles west-southwest of Green River, just south of Interstate 70 in Section 35, Township 22 South, Range 10 East, Emery County, Utah. This will be a new operation located in the head of Sinbad. Refer to the attached map for exact location.

#### SOILS AND GEOLOGY:

Mining will take place in the Moss Back member of the Chinlee formation. Soils in the area are shallow to moderate depth having a sandy clay texture and an alkaline pH. The soils are generally well drained, permeability is moderate to slow, runoff is rapid, and sediment production is high.

#### HYDROLOGY:

The normal average annual precipitation for this area is approximately 6 inches. Runoff from the surface facilities should not be a problem since the operation will be located in gently rolling topography with the surface facilities being situated on top of a small hill.

#### ECOLOGY:

Vegetation in the area is generally sparse. However, due to the abnormally wet year a diversity of species was noted during the field investigation. Species observed were ephedra, shadscale, sagebrush, rabbitbrush, Indian ricegrass, sand dropseed, galletagrass, Russian thistle, and several species of astragalus. The principal use of the area is rangeland, which would have a very low stocking capacity.

#### STRUCTURES AND FACILITIES:

The mine site will entail a surface disturbance of approximately 19 acres; of which 10 acres will be for support facilities, and 9 acres will be for access roads. The surface facilities will include a pad supporting a shop, dry, and office building; and a compressor; fuels, oil, and water tanks; a waste rock dump; an ore stockpile; and topsoil stockpile. In addition, there will be a single incline to the ore body, and the aforementioned access roads. Mining will be underground room and pillar and open stoping utilizing trackless vehicles for waste and ore transport out of the mine. The ore will be hauled by truck to the mill.

MINING AND RECLAMATION:

Minerals Recovery Corporation has committed to the following:

During Operations:

1. Mining will be conducted in a safe, orderly, and minerlike fashion and in such a manner as to minimize visual and environmental degradation.
2. Prior to the construction, available topsoil will be removed and stockpiled for redistribution on disturbed surface areas at the time of reclamation.
3. Mining will be underground room and pillar and open stoping, and will disturb approximately 19 acres of surface area for support facilities, including access roads.
4. Ore will be stockpiled at the mine site until it can be trucked to the mill.

After Operations:

1. All extraneous debris, scrap metal and wood, and unusable buildings will be removed from the site.
2. The mine portal and vent holes will be sealed to prevent unauthorized entry.
3. The developmental waste rock stockpile will be recontoured to a stable slope and the surrounding area will be contoured to prevent water ponding.
4. Stockpiled topsoil will be respread over the disturbed surfaces to the extent possible and all areas will be scarified, broadcast seeded with a diverse seed mixture, and drag covered.
5. All disturbed areas will be monitored and reseeded if necessary.

IMPACTS:

The Reclamation Plan will eliminate safety hazards and reduce environmental and visual impacts.

SURETY ESTIMATE:

Reclamation surety for this operation was estimated to be \$16,225.00 which includes 13% inflation for the 5 year proposed mine life and the following:

1. Clean-up and removal of structures, equipment, trash and debris.
2. Regrading and recontouring, resspreading of topsoil, and construction of waterbars on the access road.
3. Soil preparation and seeding, of 19 acres, and reseeding if necessary.
4. Sealing one portal.
5. Removal of explosives and hazardous materials.
6. Supervision.

APPLICATION HISTORY:

December 24, 1979

Division received application forms for the Sinbad Mine by Minerals Recovery Corp.

January 14, 1980

Division completed cursory review and prepared comments.

February 22, 1980

Division performed a field inspection of the proposed operation.

February 23, 1980

Division received response to comments of January 14, 1980.

February 25, 1980

Division completed review and prepared surety estimate and executive summary.